## **WE CLAIM AS OUR INVENTION:**

1. A method for producing a printing form for rotogravure, comprising the steps of:

providing a surface of the printing form with a wear-resistant layer; and providing cups in the surface.

- 2. The method according to claim 1 wherein the wear-resistant layer is provided on the printing form before a formation of the cups.
- 3. The method according to claim 1 wherein the wear-resistant layer comprises a hard material layer.
- 4. The method according to claim 1 wherein the wear-resistant layer is a layer made of a composite material.
- 5. The method according to claim 4 wherein the composite material is comprised of a mixture of a synthetic and particulate elements.
- 6. The method according to claim 5 wherein the particulate elements are formed from silica sand.
- 7. The method according to claim 1 wherein the wear-resistant layer comprises a metallic layer.

- 8. The method according to claim 7 wherein the metallic layer is comprised of chromium.
- 9. The method according to claim 1 wherein the layer is provided on the printing form by means of one of a PVD and a CVD method.
- 10. The method according to claim 7 wherein the metallic layer is galvanically provided on the printing form.
- 11. The method according to claim 1 wherein a thickness of the layer is selected such that the cups are only partially provided in the layer.
- 12. The method according to claim 1 wherein a thickness of the layer is selected so that the cups are completely provided in the layer.
- 13. The method according to claim 1 wherein the wear-resistant layer is between 20 to 50  $\mu m$  thick.
- 14. The method according to claim 1 wherein a depth of the cups provided in the surface of the printing form is in a range between 15 and 35  $\mu m$ .
- 15. The method according to claim 2 wherein the cups are provided in the wear-resistant layer via engraving.

- 16. The method according to claim 15 wherein the engraving occurs by means of a mechanical engraving unit.
- 17. The method according to claim 16 wherein the engraving occurs by means of laser light.
- 18. The method according to claim 17 wherein the cups are directly provided by means of laser light.
- 19. The method according to claim 2 wherein the cups are provided in the wear-resistant layer via etching.
- 20. The method according to claim 19 wherein before implementation of the etching event, one of a photoresist and a thermoresist is applied to the wear-resistant layer to form an etching mask.
- 21. The method according to claim 19 wherein the etching mask is illustrated by means of laser light.
- 22. The method according to claim 1 wherein a surface of the wearresistant layer is designed rough with a predetermined degree of roughness.
- 23. The method according to claim 22 wherein the degree of roughness corresponds to that of microroughness.

- 24. The method according to claim 22 wherein the roughness is provided by at least one of polishing and grinding of the surface.
- 25. The method of claim 1 wherein the printing form is for heliorotogravure.
- 26. A printing form for rotogravure wherein a surface of the printing form comprises a wear-resistant layer.
- 27. The printing form according to claim 26 wherein the printing form is for heliorotogravure.
- 28. The printing form according to claim 26 wherein the wearresistant layer comprises a hard material layer.
- 29. The printing form according to claim 26 wherein the wearresistant layer is a layer made of a composite material.
- 30. The printing form according to claim 29 wherein the composite material is comprised of a mixture of a synthetic and particulate elements.
- 31. The printing form according to claim 30 wherein the particulate elements are formed from silica sand.

- 32. The printing form according to claim 26 wherein the wear-resistant layer comprises a metallic layer.
- 33. The printing form according to claim 32 wherein the metallic layer is comprised of chromium.
- 34. The printing form according to claim 26 wherein a thickness of the layer is selected such that the cups are only partially provided in the layer.
- 35. The printing form according to claim 26 wherein a thickness of the layer is selected so that the cups are completely provided in the layer.
- 36. The printing form according to claim 26 wherein the wear-resistant layer is between 20 to 50 µm thick.
- 37. The printing form according to claim 26 wherein a depth of the cups provided in the surface of the printing form is in a range between 15 and 35  $\mu m$ .
- 38. The printing form according to claim 26 wherein the cups provided in the wear-resistant layer are engraved cups.
- 39. The printing form according to claim 26 wherein the cups provided in the wear-resistant layer are etched cups.

- 40. The printing form according to claim 26 wherein the cups are laser light engraved cups.
- 41. The printing form according to claim 26 wherein a surface of the wear-resistant layer is designed rough with a predetermined degree of roughness.
- 42. The printing form according to claim 41 wherein the degree of roughness corresponds to that of microroughness.
- 43. The printing form according to claim 41 wherein the roughness is provided by at least one of polishing and grinding of the surface.
  - 44. A printing form for rotogravure, comprising:

a core;

a wear-resistant layer overlying core;

the wear-resistant layer having a Vickers hardness greater than 110 kp/mm<sup>2</sup>; and

cups engraved in the wear-resistant layer.

45. A printing form according to claim 43 wherein the base layer is provided between the wear-resistant layer and the core.

- 46. The printing form according to claim 44 wherein the cups extend through the wear-resistant layer and partially into said base layer.
  - 47. A printing form for rotogravure, comprising:

a core;

a wear-resistant layer overlying the core;

the wear-resistant layer having a hardness greater than a hardness of the core; and

cups engraved in the wear-resistant layer.

48. The form of claim 47 wherein a base layer is provided between the wear-resistant layer and the core and the wear-resistant layer has a hardness greater than a hardness of the base layer.